

# REMARKS/ARGUMENTS

## Description of Amendments

In the specification, paragraph [0031] has been amended to correct a typographical error.

Claims 1-4, 6, 7, 9-11, and 20-24 are amended. Claims 5, 12-14 and 25 are canceled. Claims 8 and 16-19 were previously cancelled. Claims 26-108 are new. As amended, claims 1-4, 6, 7, 9-11, 15, and 20-24, and 26-108 are pending in the application.

No new matter is introduced by this amendment. The table below summarizes the status of the claims as well as indicates where support for each claim amendment or new claim can be found in the originally filed specification. The phrase “not applicable” is used for original or canceled claims, or currently amended dependent claims in which the only amendment is a change in the number of the claim upon which the claim is dependent.

Claim	Status	Support in specification and drawings (if amended or new)
1	Currently Amended	Page 5, lines 14, 22-25; page 6, lines 1-4; Figure 4
2	Currently Amended	Page 5, line 13-15; page 6, lines 3-4
3	Currently Amended	Page 3, lines 28; page 4, line 1
4	Currently Amended	Page 4, lines 1-2
5	Cancelled	Not applicable
6	Currently Amended	Not applicable
7	Currently Amended	Page 3, lines 25-27
8	Cancelled	Not applicable
9	Currently Amended	Page 5, line 14, 22-25; page 6, lines 1-4; Figure 4; page 8, lines 10-15
10	Currently Amended	Not applicable
11	Currently Amended	Page 5, line 14, 22-25; page 6, lines 1-4; Figure 4; page 8, lines 10-15
12	Cancelled	Not applicable
		Support in specification and drawings

Claim	Status	(if amended or new)
13	Cancelled	Not applicable
14	Cancelled	Not applicable
15	Original	Not applicable
16	Cancelled	Not applicable
17	Cancelled	Not applicable
18	Cancelled	Not applicable
19	Cancelled	Not applicable
20	Currently Amended	Not applicable
21	Currently Amended	Not applicable
22	Currently Amended	Not applicable
23	Currently Amended	Page 2, lines 22 – 24
24	Currently Amended	Not applicable
25	Cancelled	Not applicable
26-27	New	Paragraphs [0026] and [0027]
28	New	Paragraph [0024]
29	New	Paragraph [0028]
30	New	Paragraphs [0016] and [0031], and FIG. 4
31	New	Paragraph [0028]
32	New	Paragraph [0028]
33	New	Paragraphs [0010], [0011], [0028] and [0034]
34	New	Paragraphs [0020] and [0026]
35	New	Paragraphs [0010], [0011], [0028] and [0034]
36	New	Paragraphs [0020] and [0026]
37	New	Paragraph [0022] and FIG. 2A
38	New	Paragraph [0010]
39	New	Paragraph [0022] and FIG. 2A
40	New	Paragraphs [0020] and [0033]
41-44	New	Paragraph [0033]
45-46	New	Paragraphs [0028] to [0030]
Claim	Status	Support in specification and drawings (if amended or new)

47	New	FIGS. 1-3
48	New	Paragraphs [0026] and [0027]
49	New	Paragraph [0024]
50	New	Paragraph [0028]
51	New	Paragraphs [0016] and [0031], and FIG. 4
52	New	Paragraph [0028]
53	New	Paragraph [0028]
54	New	Paragraphs [0010], [0011], [0028] and [0034]
55	New	Paragraphs [0020] and [0026]
56	New	Paragraphs [0010], [0011], [0028] and [0034]
57	New	Paragraphs [0020] and [0026]
58	New	Paragraph [0022] and FIG. 2A
59	New	Paragraph [0010]
60	New	Paragraph [0022] and FIG. 2A
61	New	Paragraphs [0040] and [0033]
62-65	New	Paragraph [0033]
66-67	New	Paragraphs [0028] to [0030]
68	New	FIGS. 1-3
69	New	Paragraph [0022] and FIG. 2A
70	New	Paragraph [0010]
71	New	Paragraph [0022] and FIG. 2A
72	New	Paragraphs [0020] and [0033]
73-76	New	Paragraph [0033]
77-78	New	Paragraphs [0028] to [0030]
79	New	FIGS. 1-3
80	New	Paragraphs [0020] and [0033]
81-84	New	Paragraph [0033]
85-86	New	Paragraphs [0028] to [0030]
87	New	FIGS. 1-3
Claim	Status	Support in specification and drawings (if amended or new)
88	New	Paragraphs [0028] to [0030]

89	New	FIGS. 1-3
90	New	Paragraphs [0028] to [0030]
91-93	New	FIGS. 1-3
94	New	Paragraph [0037]
95	New	Paragraph [0024]
96	New	Paragraph [0028]
97	New	Paragraphs [0016] and [0031], and FIG. 4
98	New	Paragraph [0028]
99	New	Paragraph [0028]
100	New	Paragraph [0022] and FIG. 2A
101	New	Paragraphs [0020] and [0033]
102-103	New	Paragraphs [0028] to [0030]
104-106	New	FIG. 3
107-108	New	Paragraphs [0026] and [0027]

**Rejections under 35 U.S.C. § 103(a)**

Claims 1-7, 9-15, 20, 22, 24-25 are rejected under 35 U.S.C. § 103(a) as being unpatentable over *Warren*, United States Patent Application Publication 20030153355 (“*Warren*”) in view of *North*, United States Patent Application publication US 20030092468 (“*North*”).

Applicant submits that claims 1, 9, and 11, as amended, are patentable over the combination of *Warren* and *North*. Claims 1, 9, and 11 as amended are reproduced below:

1. A system comprising:  
a personal digital assistant (PDA); and  
a cellular phone adapted to be coupled to the PDA so that upon coupling the cellular phone to the PDA the combined cellular phone and PDA forms a single body;  
wherein  
when the PDA and the cell phone are coupled, the cell phone and the PDA are capable of being used independently; and  
when the PDA and the cell phone are decoupled, the PDA operates as a conventional PDA, and the cell phone operates as a conventional cell phone.
9. A system comprising:  
a processing device; and

a cellular phone adapted to be coupled to the processing device so that upon coupling the cellular phone to the processing device the combined cellular phone and processing device forms a single body;

wherein

when the processing device and the cell phone are coupled, the processing device and the cell phone are capable of being used independently;

and

when the processing device and the cell phone are decoupled, the processing device operates as a conventional processing device, and the cell phone operates as a conventional cell phone.

11. A system comprising:

a laptop computer; and

a cellular phone adapted to be coupled to the laptop computer so that upon coupling the cellular phone to the laptop computer the combined cellular phone and laptop computer forms a single body;

wherein

when the laptop computer and the cell phone are coupled, the cell phone and the laptop computer are capable of being used independently;

and

when the laptop and the cell phone are decoupled, the laptop computer operates as a conventional laptop computer, and the cell phone operates as a conventional cell phone.

Each of amended claims 1, 9, and 11 includes the feature of independent use of a cell phone and a PDA, processing device, or laptop computer, respectively, when they are detachably coupled. *Warren* does not disclose the independent use of the cell phone and the input-output device while they are detachably coupled. *Warren* also does not disclose the independent use of any functions or applications of the input-output device when the cell phone is engaged. *Warren* discloses only that when the cell phone is coupled to the input/output device the cell phone functions as a modem. *Warren* (paragraph [0009]) states:

The present invention fulfills these and other needs by providing an input/output device having a phone port for connecting to a cell or other portable phone. The device has input components (such as a keyboard) and output components (such as a screen), which are much easier to use than the mini-keypad and mini-screen on typical web phones. A person uses the keyboard to input information or commands. Then signals representing the information or commands are sent to the portable phone via the phone port, and the phone transmits wireless signals to the intended computer, phone, etc. Similarly, the phone receives wireless signals and sends the signals to the device via the phone port. Then the text and/or images represented by the signals are displayed on the screen.

Thus, as outlined above, “[t]he phone wirelessly transmits data entered into the input components and wirelessly receives data to be displayed or audibly output by the output

components” (*Warren*, paragraph [0010]). Thus, in *Warren* “the portable phone serves the dual functions of conventional phone when not engaged with the phone interface and a modem and/or a wireless communications device when so engaged” (*Warren*, paragraph [0061]). Therefore, when the phone is coupled to the input-output device in *Warren*, it is not used independently as a cell phone.

*North* also does not disclose this feature. The secondary housing of *North* includes both a PDA and a cell phone, but the PDA and cell phone of the second housing are not detachably coupled. There is also no disclosure in *North* that the PDA and cell phone of the secondary housing are capable of independent use. Therefore, *North* is no different from *Warren* in this respect.

It should be noted that the primary housing of *North* cannot be the PDS or cell phone of claims 1, 9 or 11. Instead the primary housing of *North* is analogous to a docking station for a computer, and contains the primary control circuitry and batteries. The secondary housing is analogous to a terminal for a mainframe computer “[b]ecause the console unit 14 primar[il]ly includes only data entry and user interface components” (*North*, paragraph [0017]). Additionally, the primary housing is incapable of independent operation either when it is connected to the secondary housing or when it is not connected to the secondary housing.

In view of the above discussions, Applicant respectfully requests that the Examiner allow independent claims 1, 9, and 11. Dependent claims 2-4, 6, 7, 10, 15, 20, 22, and 24 are also patentable because they depend from patentable independent claims. The rejection of claims 5, 12-14, and 25 is moot in light of their cancellation.

With respect to claim 21, the Examiner has rejected claim 21 under 35 U.S.C. § 103(a) as being unpatentable over *Warren* in view of *North*, and further in view of *Chmaytelli*, United States Patent 6,233,464 (“*Chmaytelli*”).

As discussed above, *Warren* and *North* do not teach or suggest certain limitations of claim 1, from which claim 21 depends. In addition, the Office Action did not allege that *Chmaytelli* teaches or suggests these limitations. Therefore, the Office Action has not established that *Warren*, *North* and *Chmaytelli* teach or suggest every element of claim 21. Consequently, it was improper to conclude that *Warren*, *North* and *Chmaytelli* render claim 21 obvious.

Applicant respectfully submits that claim 21 is patentably over the combination of *Warren* and *North* for the reasons stated above as claim 21 depends indirectly on claim 1, and claim 1 is patentably over the combination.

With respect to claim 23, the Examiner has rejected claim 23 under 35 U.S.C. § 103(a) as being unpatentable over *Warren* in view of *North*, and further in view of *Dowling*, United States Patent Application publication, 20030050019.

As discussed above, *Warren* and *North* do not teach or suggest certain limitations of claim 1, from which claim 23 depends. In addition, the Office Action did not allege that *Dowling* teaches or suggests these limitations. Therefore, the Office Action has not established that *Warren*, *North* and *Dowling* teach or suggest every element of claim 23. Consequently, it was improper to conclude that *Warren*, *North* and *Dowling* render claim 23 obvious.

#### **Patentability of New Claims**

New claims 26-47 each recite, either directly or indirectly, the limitation that “the wireless communication device and the processing device are capable of being used independently to perform their respective functions” (emphasis added). As stated above in connection with claim 1, the “independently” limitation is not disclosed by the cited art. Therefore, claims 26-48 are patentable over the cited art.

New claim 48 recites the limitation that “the wireless communication device and the processing device are capable of being used simultaneously to perform respectively a function of the conventional processing device and a function of the conventional wireless communication device.” (emphasis added). The cited art does not teach or suggest the “simultaneously” limitation. Therefore, claim 48 is patentable over the cited art.

New claims 49-68 each recite, either directly or indirectly, the limitation that “when the processing device and the wireless communication device are coupled, the wireless communication device and the processing device share resources.” This limitation is not disclosed by the cited art. Therefore, claims 49-68 are patentable over the cited art.

Additionally, dependent claims 50-53 each recite, either directly or indirectly, the limitation that “the processing device is usable to place and receive a telephone call via the

wireless communication device.” This limitation is not disclosed by the cited art. Therefore, claims 50-53 are patentable over the cited art for this additional reason.

Furthermore, dependent claims 54 and 55 each recite, either directly or indirectly, the limitation that “at least one of a keyboard, a display, a microphone and a speaker of the processing device is usable to place and receive a telephone call via the [signal transmitting and receiving] resources of the wireless communication device.” This limitation is not disclosed by the cited art. Therefore, claims 54 and 55 are patentable over the cited art for this further reason.

Additionally, dependent claims 56 and 57 each recite, either directly or indirectly, the limitation that “the keyboard, display, microphone and speaker of the processing device are usable to place and receive a telephone call via the [signal transmitting and receiving] resources of the wireless communication device.” This limitation is not disclosed by the cited art. Therefore, claims 56 and 57 are patentable over the cited art for this additional reason.

New claims 69-79 each recite, either directly or indirectly, the limitation that “when the wireless communication device is inserted into the cavity of the personal digital assistant, a user can access the keyboard of the wireless communication device through the opening of the personal digital assistant.” This limitation is not disclosed by the cited art. Therefore, claims 69-79 are patentable over the cited art.

New claims 80-87 each recite, either directly or indirectly, the limitation that “when the processing device and the wireless communication device are coupled, both the wireless communication device and the processing device are powered by only one of the batteries of the processing device and the wireless communication device.” This limitation is not disclosed by the cited art. Therefore, claims 80-87 are patentable over the cited art.

New claims 88-89 each recite, either directly or indirectly, the limitation that “when the processing device and the wireless communication device are coupled, the processing device functions as a host and the wireless communication device functions as a peripheral.” This limitation is not disclosed by the cited art. Therefore, claims 88-89 are patentable over the cited art.

New claims 90-91 each recite, either directly or indirectly, the limitation that “when the processing device and the wireless communication device are coupled, the wireless communication device functions as a host and the processing device functions as a



peripheral.” This limitation is not disclosed by the cited art. Therefore, claims 90-91 are patentable over the cited art.

New claim 92 recites the limitation that “when the cell phone is inserted into the cavity of the personal digital assistant, the combination of the personal digital assistant and cell phone has the same cuboid configuration as the personal digital assistant does.” This limitation is not disclosed by the cited art. Therefore, claim 92 is patentable over the cited art.

New claim 93 recites the limitation that “when the cell phone is inserted into the cut-out of the personal digital assistant, the combination of the personal digital assistant and cell phone has a cuboid configuration.” This limitation is not disclosed by the cited art. Therefore, claim 93 is patentable over the cited art.

New claims 94-103 each recite, either directly or indirectly, the limitation that “when the automobile and the wireless communication device are coupled, the wireless communication device and the automobile communicate with each other.” This limitation is not disclosed by the cited art. Therefore, claims 94-103 are patentable over the cited art.

New claims 104-108 each recite, either directly or indirectly, the limitation that “the wireless communication device is removably inserted into the personal digital assistant, and [] the keyboard and display of the personal digital assistant and the keyboard and display of the wireless communication device face opposite directions.” This limitation is not disclosed by the cited art. Therefore, claims 104-108 are patentable over the cited art.

Application No. 10/804,857  
Amendment dated May 22, 2008  
Reply to Office action of November 29, 2007

In light of the foregoing remarks, this application is considered to be in condition for allowance, and early passage of this case to issue is respectfully requested. If necessary to effect a timely response, this paper should be considered as a petition for an Extension of Time sufficient to effect a timely response, and please charge any deficiency in fees or credit any overpayments to Deposit Account No. 07-1850.

Respectfully submitted,

Date: May 22, 2008

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